

Amendments to the Claims:

This listing of claims replaces all prior versions and listings of claims in the application:

Listing of Claims:

1. (Canceled).
2. (Currently Amended) A luminescent device comprising an organic luminescent element comprising:
 - an anode;
 - a cathode; and
 - an organic compound layer interposed between said anode and said cathode, comprising at least two compounds selected from the group of a hole injection compound which receives holes from said anode, an electron injection compound which receives electrons from said cathode, a hole transport compound, an electron transport compound, a blocking compound and a luminescent compound which demonstrates light emission,
 - wherein one of said two compounds is a high-molecular weight compound,
 - wherein a mixed region in which said two compounds are mixed is located apart from said anode and said cathode, and
 - wherein said two compounds are a host and a third material is doped as a guest in only a portion of said mixed region.
3. (Original) The luminescent device according to claim 2, wherein said guest is a luminescent compound which demonstrates light emission.
4. (Currently Amended) A luminescent device comprising an organic luminescent element comprising:
 - an anode;
 - a cathode;

an organic compound layer interposed between said anode and said cathode, comprising a first organic compound which is a high-molecular weight compound and a second organic compound which is a high-molecular weight compound different from said first organic compound, and

a mixed region in the organic compound layer, where said first organic compound and said second organic compound are mixed,

wherein said mixed region in the organic compound layer comprises a third organic compound different from said first and second organic compounds, and

wherein said third organic compound is doped as a guest in only a portion of the mixed region.

5. (Original) The luminescent device according to claim 4, wherein concentrations of said first and second organic compounds change continuously in said mixed region.

6. (Original) The luminescent device according to claim 5, wherein there is a region where a detection amount of an element which is detected by SIMS in elements constituting said first organic compound or said second organic compound, changes continuously from said anode to said cathode.

7. (Original) The luminescent device according to claim 5, wherein said organic compound layer comprises elements of a group 15 to a group 17 and there is a region where a detection amount of said elements which is detectable by SIMS changes continuously in a direction from said anode to said cathode.

8. (Previously Presented) The luminescent device according to claim 7, wherein said elements of group 15 to group 17 are selected from the group consisting of nitrogen, phosphorus, oxygen, sulfur, fluorine, chlorine, bromine and iodine.

9. (Original) The luminescent device according to claim 4, wherein said first organic compound is a hole transport compound and said second organic compound is a luminescent compound which demonstrates light emission.

10. (Previously Presented) The luminescent device according to claim 9, wherein said first organic compound is a high-molecular weight compound including π electrons and is chemically doped.

11. (Original) The luminescent device according to claim 9, wherein said first organic compound is selected from the group consisting of a polythiophene derivative, a polyaniline derivative and a polyvinylcarbazole derivative.

12. (Original) The luminescent device according to claim 9, wherein said second organic compound is a material selected from the group consisting of a polyparaphenylenevinylene derivative, a polydialkylfluorene derivative, a polyvinylcarbazole derivative and a polyphenylene derivative.

13. (Original) The luminescent device according to claim 4, wherein said first organic compound is an electron transport compound and said second organic compound is a luminescent compound which demonstrates light emission.

14. (Previously Presented) The luminescent device according to claim 13, wherein said first organic compound is a high-molecular weight compound including π electrons and is chemically doped.

15. (Original) The luminescent device according to claim 13, wherein said second organic compound is a material selected from the group consisting of a polyparaphenylenevinylene derivative, a polydialkylfluorene derivative, a polyvinylcarbazole derivative, and a

polyphenylene derivative.

16. Canceled.

17. (Currently Amended) The luminescent device according to claim [[16]]4, wherein each of said first organic compound and said second organic compound is compound selected from the group consisting of a hole injection compound which receives holes from said anode, an electron injection compound which receives electrons from said cathode, a hole transport compound, an electron transport compound and a blocking compound capable of inhibiting electron transfer, and said third organic compound is a luminescent compound which demonstrates light emission.

18. (Currently Amended) The luminescent device according to claim [[16]]4, wherein said third organic compound is a luminescent compound which demonstrates light emission from a triplet excited state.

19. (Original) The luminescent device according to claim 18, wherein said third organic compound is one of a metal complex having platinum as a central metal and a metal complex having iridium as a central metal.

20. (Currently Amended) The luminescent device according to claim [[16]]4, wherein said third organic compound has a larger energy difference between a highest occupied molecular orbital and a lowest unoccupied molecular orbital than said first organic compound and said second organic compound.

21. (Currently Amended) The luminescent device according to claim [[16]]4, wherein said third organic compound is a material selected from the group consisting of a phenanthroline derivative, an oxadiazole derivative and a triazole derivative.

22. (Currently Amended) The luminescent device according to claim [[16]]4, wherein said third organic compound is a metal complex comprising a metal element and a detection region of said metal element detectable by SIMS comprises both said first organic compound and said second organic compound.

23. (Original) The luminescent device according to claim 22, wherein said metal element is selected from the group consisting of aluminum, zinc and beryllium.

24. (Original) The luminescent device according to claim 22, wherein said metal element is selected from the group consisting of iridium and platinum.

25. (Currently Amended) A luminescent device comprising an organic luminescent element comprising:

an anode;

a cathode;

an organic compound layer interposed between said anode and said cathode, comprising a first organic compound which is a high-molecular weight compound and a second organic compound which is a low-molecular weight compound and which is capable of a vacuum evaporation,

a mixed region in the organic compound layer, where said first organic compound and said second organic compound are mixed,

~~wherein said high molecular weight compound is selected from the group consisting of polythiophene derivative, polydialkylfluorene derivative and polyphenylene derivative,~~

wherein said organic compound layer comprises a third organic compound different from said first and second organic compounds, and

wherein the third organic compound is doped as a guest in only a portion of the mixed region.

26. (Original)The luminescent device according to claim 25, wherein concentrations of said first and second organic compounds change continuously in said mixed region.

27. (Original)The luminescent device according to claim 26, wherein there is a region where a detection amount of an element which is detected by SIMS in elements constituting said first organic compound or said second organic compound, changes continuously from said anode to said cathode.

28. (Original)The luminescent device according to claim 26, wherein said organic compound layer comprises elements of a group 15 to a group 17 and there is a region where a detection amount of said elements which is detectable by SIMS changes continuously in a direction from said anode to said cathode.

29. (Previously presented)The luminescent device according to claim 28, wherein said elements of group 15 to group 17 are selected from the group consisting of nitrogen, phosphorus, oxygen, sulfur, fluorine, chlorine, bromine and iodine.

30. (Original)The luminescent device according to claim 25, wherein said first organic compound is a hole transport compound and said second organic compound is a luminescent compound which demonstrates light emission.

31. (Previously presented)The luminescent device according to claim 30, wherein said first organic compound is a high-molecular weight compound including π electrons and is chemically doped.

32. (Canceled).

33. (Original)The luminescent device according to claim 25, wherein said first organic compound is an electron transport compound and said second organic compound is a luminescent compound which demonstrates light emission.

34. (Previously presented)The luminescent device according to claim 33, wherein said first organic compound is a high-molecular weight compound including π electrons and is chemically doped.

35. (Original)The luminescent device according to claim 25, wherein said first organic compound is a luminescent compound which demonstrates light emission and said second organic compound is a hole transport compound.

36. (Canceled).

37. (Original)The luminescent device according to claim 25, wherein said first organic compound is a luminescent compound which demonstrates light emission and said second organic compound is an electron transport compound.

38-39. (Canceled).

40. (Currently Amended) The luminescent device according to claim ~~39~~25 wherein each of said first organic compound and said second organic compound is compound selected from the group consisting of a hole injection compound which receives holes from said anode, an electron injection compound which receives electrons from said cathode, a hole transport compound, an electron transport compound and a blocking compound capable of inhibiting electron transfer, and said third organic compound is a luminescent compound which demonstrates light emission.

41. (Currently Amended) The luminescent device according to claim [[39]]25, wherein said third organic compound is a luminescent compound which demonstrates light emission from a triplet excited state.

42. (Currently Amended) The luminescent device according to claim [[39]]25, wherein said third organic compound is one of a metal complex having platinum as a central metal and a metal complex having iridium as a central metal.

43. (Currently Amended) The luminescent device according to claim [[39]]25, wherein said third organic compound has a larger energy difference between a highest occupied molecular orbital and a lowest unoccupied molecular orbital than said first organic compound and said second organic compound.

44. (Currently Amended) The luminescent device according to claim [[39]]25, wherein said third organic compound is a material selected from the group consisting of a phenanthroline derivative, an oxadiazole derivative and a triazole derivative.

45. (Currently Amended) The luminescent device according to claim [[39]]25, wherein said third organic compound is a metal complex comprising a metal element and a detection region of said metal element detectable by SIMS comprises both said first organic compound and said second organic compound.

46. (Original) The luminescent device according to claim 45, wherein said metal element is selected from the group consisting of aluminum, zinc and beryllium.

47. (Original) The luminescent device according to claim 45, wherein said metal element is selected from the group consisting of iridium and platinum.

48. (Withdrawn) A method of manufacturing a luminescent device comprising an organic luminescent element comprising steps of:

wet-supplying a first solution over a substrate having an electrode, wherein the first solution comprises a first organic compound and a first solvent;

heating said first solution in a treating atmosphere at a temperature; and

after the heating, disposing a second solution over said substrate;

wherein a pressure of said treating atmosphere is higher than a vapor pressure of said first solvent at said temperature.

49. (Withdrawn) A method of manufacturing a luminescent device comprising an organic luminescent element comprising steps of:

wet-supplying a first solution over a substrate having an electrode, wherein the first solution comprises a first organic compound and a first solvent;

drying said first solution by heating; and

after the heating, disposing a second solution over said substrate in a treating atmosphere, wherein the second solution comprises a second organic compound and a second solvent,

wherein said treating atmosphere contains said first solvent during disposing the second solution.

50. (Withdrawn) A method of manufacturing a luminescent device comprising an organic luminescent element comprising steps of:

forming a first organic compound layer over a substrate having an electrode; and

wet-supplying a second solution over said substrate, wherein said second solution comprises a second organic compound and a second solvent;

wherein a solubility of said second organic compound to said second solvent is higher than a solubility of a first organic compound to said second solvent.

51. (Withdrawn) A method of manufacturing a luminescent device comprising an

organic luminescent element comprising steps of:

forming a first organic compound layer over a substrate having an electrode; and
wet-supplying a second solution over said substrate in a treating atmosphere;
wherein said treating atmosphere contains a solvent which is capable of dissolving a first organic compound.

52. (Withdrawn) A method of manufacturing a luminescent device comprising an organic luminescent element comprising steps of:

wet-supplying a first solution in which a first organic compound is dissolved over a substrate having an electrode;

forming a second organic compound layer by a vacuum evaporation in a vacuum chamber; and

heating said substrate, said first organic solution, and said second organic compound layer.

53. (Withdrawn) The method according to claim 52, wherein heating is carried out under a reduced pressure of 10^{-4} Pa or lower.

54. (New) The luminescent device according to claim 30, wherein said first organic compound is selected from the group consisting of a polythiophene derivative, a polyaniline derivative and a polyvinylcarbazole derivative.

55. (New) The luminescent device according to claim 35, wherein said second organic compound is a material selected from the group consisting of a polyparaphenylenevinylene derivative, a polydialkylfluorene derivative, a polyvinylcarbazole derivative and a polyphenylene derivative.

56. (New) The luminescent device according to claim 37, wherein said second organic

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compound is a material selected from the group consisting of a polyparaphenylenevinylene derivative, a polydialkylfluorene derivative, a polyvinylcarbazole derivative and a polyphenylene derivative.